

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028599.D
 Acq On : 11 Dec 2018 11:18
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:03:04 PM

Quant Time: Dec 11 13:30:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	93885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163765	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	71405	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	4.88	113	51723	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	7.57	98	205157	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	10.30	95	75493	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62819	49.920	ug/l	98
3) Chloromethane	1.33	50	109146	47.177	ug/l	99
4) Vinyl Chloride	1.40	62	84957	50.884	ug/l	98
5) Bromomethane	1.61	94	32983	49.042	ug/l	98
6) Chloroethane	1.69	64	47774	50.543	ug/l	100
7) Trichlorofluoromethane	1.88	101	86797	49.412	ug/l	100
8) Diethyl Ether	2.10	74	39619	48.208	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	51674	49.186	ug/l	98
10) Methyl Iodide	2.41	142	51676	62.688	ug/l	100
11) Tert butyl alcohol	2.83	59	83888	262.799	ug/l	99
12) 1,1-Dichloroethene	2.28	96	50368	48.185	ug/l	97
13) Acrolein	2.19	56	65631	257.911	ug/l	99
14) Allyl chloride	2.59	41	119769	48.434	ug/l	100
15) Acrylonitrile	2.94	53	234939	265.100	ug/l	99
16) Acetone	2.32	43	227534	243.369	ug/l	100
17) Carbon Disulfide	2.48	76	177169	47.048	ug/l	99
18) Methyl Acetate	2.61	43	132536	54.686	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	200317	50.552	ug/l	99
20) Methylene Chloride	2.70	84	64650	46.908	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	57538	48.889	ug/l	99
22) Diisopropyl ether	3.57	45	249444	51.872	ug/l	98
23) Vinyl Acetate	3.52	43	1037324	261.520	ug/l	99
24) 1,1-Dichloroethane	3.45	63	124557	49.482	ug/l	98
25) 2-Butanone	4.26	43	336980	263.744	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97379	48.823	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	66127	49.641	ug/l	99
28) Bromochloromethane	4.55	49	62311	54.452	ug/l	97
29) Tetrahydrofuran	4.64	42	219799	267.860	ug/l	99
30) Chloroform	4.67	83	111057	50.620	ug/l	97
31) Cyclohexane	4.99	56	124290	50.612	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	92261	50.634	ug/l	99
36) 1,1-Dichloropropene	5.13	75	86623	48.337	ug/l	98
37) Ethyl Acetate	4.38	43	122781	53.001	ug/l	99
38) Carbon Tetrachloride	5.13	117	72278	50.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	107066	48.972	ug/l	99
40) Benzene	5.39	78	267933	50.764	ug/l	97
41) Methacrylonitrile	4.54	41	69560	54.829	ug/l	97
42) 1,2-Dichloroethane	5.40	62	93311	50.507	ug/l	99
43) Isopropyl Acetate	5.55	43	192730	52.599	ug/l	99
44) Trichloroethene	6.19	130	58391	49.756	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78346	52.786	ug/l	99
46) Dibromomethane	6.56	93	45091	51.203	ug/l	100
47) Bromodichloromethane	6.76	83	86874	50.695	ug/l	98
48) Methyl methacrylate	6.62	41	100152	54.962	ug/l	99
49) 1,4-Dioxane	6.61	88	32122	1116.435	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	621232	268.812	ug/l	99
52) Toluene	7.64	92	157320	50.647	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	104853	51.375	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	112842	50.961	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	63679	51.862	ug/l	97
56) Ethyl methacrylate	8.02	69	110234	52.426	ug/l	98
57) 1,3-Dichloropropane	8.24	76	116867	51.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	275739	256.028	ug/l	99
59) 2-Hexanone	8.36	43	479481	261.763	ug/l	98
60) Dibromochloromethane	8.48	129	61843	51.444	ug/l	99
61) 1,2-Dibromoethane	8.58	107	68777	53.414	ug/l	100
64) Tetrachloroethene	8.22	164	50296	49.594	ug/l	97
65) Chlorobenzene	9.12	112	164991	50.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	54898	53.062	ug/l	99
67) Ethyl Benzene	9.25	91	304106	51.060	ug/l	98
68) m/p-Xylenes	9.37	106	223398	103.082	ug/l	99
69) o-Xylene	9.78	106	109061	51.784	ug/l	99
70) Styrene	9.79	104	179889	51.612	ug/l	99
71) Bromoform	9.96	173	46827	53.205	ug/l #	98
73) Isopropylbenzene	10.16	105	291646	50.789	ug/l	99
74) N-amyl acetate	10.01	43	173645	52.423	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	117142	53.104	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	102760m	53.775	ug/l	
77) Bromobenzene	10.45	156	68448	50.967	ug/l	99
78) n-propylbenzene	10.58	91	355768	49.859	ug/l	100
79) 2-Chlorotoluene	10.66	91	208251	50.667	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	243319	51.189	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	43984m	56.523	ug/l	
82) 4-Chlorotoluene	10.77	91	239889	49.252	ug/l	100
83) tert-Butylbenzene	11.10	119	233731	51.015	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	251456	51.331	ug/l	100
85) sec-Butylbenzene	11.32	105	295054	50.130	ug/l	99
86) p-Isopropyltoluene	11.48	119	250660	50.134	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	125504	49.491	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	126541	48.230	ug/l	99
89) n-Butylbenzene	11.89	91	246035	48.623	ug/l	99
90) Hexachloroethane	12.14	117	38410	50.827	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127435	50.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25318	53.014	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85260	48.932	ug/l	99
94) Hexachlorobutadiene	13.69	225	38271	46.059	ug/l	95
95) Naphthalene	13.74	128	303375	49.840	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87932	50.685	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

